This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A method of analyzing electronic ink, comprising:

receiving, from a software application running on a first processing thread, a first ~~document~~ data object corresponding to a first state of ~~for~~ a document containing electronic ink content;

employing the first processing thread to provide the first ~~document~~ data object to an electronic ink analysis process for analyzing on a second processing thread;

~~returning control of the first processing thread to the software application;~~

receiving results of the analysis process from the second processing thread;

after receiving results of the analysis process, receiving from the software application a second data object corresponding to a second state of the document; and

reconciling the results of the analysis process with the second ~~current document~~ data object~~for the document~~.

2. (Currently Amended) The method recited in claim 1, further comprising:

receiving the reconciled analysis results from the software application running on the first processing thread;

employing the first processing thread to provide the reconciled analysis results to a second electronic ink analysis process for analyzing on a third processing thread;

~~returning control of the first processing thread to the software application;~~

receiving results of the second analysis process from the third processing thread;

after receiving results of the second analysis process, receiving from the software application a third data object corresponding to a third state of the document; and

reconciling the results of the second analysis process with the third ~~current document~~ data object~~for the document~~.

3. (Original) The method recited in claim 2, wherein the first analysis process is an electronic ink layout and classification analysis process and the second analysis process is a recognition process.

4. (Original) The method recited in claim 2, wherein the third processing thread is the same as the second processing thread.

5. (Currently Amended) The method recited in claim 2, further comprising:

receiving the reconciled second analysis results from the software application running on the first processing thread;

employing the first processing thread to provide the reconciled second analysis results to a third electronic ink analysis process for analyzing on a fourth processing thread;

~~returning control of the first processing thread to the software application;~~

receiving results of the third analysis process from the fourth processing thread;

after receiving results of the third analysis process, receiving from the software application a fourth data object corresponding to a fourth state of the document; and

reconciling the results of the third analysis process with the fourth ~~a current document~~ data object~~for the document~~.

6. (Original) The method recited in claim 2, wherein the second analysis process is a recognition process with a first stage for recognizing electronic ink data designated to be in a first language and a second stage for recognizing electronic ink data designated to be in a second language.

7. (Currently Amended) The method recited in claim 1, wherein the document ~~data~~ includes electronic ink content and non-ink content of the document.

8. (Original) The method recited in claim 7, wherein at least a portion of the electronic ink content annotates the non-ink content.

9. (Currently Amended) The method recited in claim 1, further comprising:

creating a data structure based on ~~for~~ the first ~~document~~ data object received from the software application; and

providing the data structure to the first analysis process.

10. (Currently Amended) The method recited in claim 9, wherein the reconciling comprises ~~further comprising:~~ providing the data structure to the software application ~~for use in maintaining the current state of the document~~.

11. (Original) A computer-readable medium including computer-executable instructions stored thereon for performing the method of claim 1.

12. (Currently Amended) One or more computer readable media storing computer-executable components which, when executed on a computer system, perform a method of analyzing electronic ink, the computer-executable components ~~An software operating environment for analyzing electronic ink,~~ comprising:

a software application that maintains a document containing document data corresponding to ~~including~~ electronic ink data, the software application operating on a first processing thread;

an ink analysis process for analyzing electronic ink, the ink analysis process operating on a second processing thread; and

an ink analysis tool that

receives the document data corresponding to the ~~containing~~ electronic ink data from the software application,

provides the document data to the ~~electronic~~ ink analysis process to analyze,

receives results from the ink analysis process, and

returns the results from ~~produced by~~ the ink analysis process to the software application to be reconciled,

wherein the first processing thread and second processing thread operate asynchronously such that the software application continues to operate while the ink analysis process analyzes the document data corresponding to the electronic ink data.

13. (Canceled)

14. (Currently Amended) The computer readable media of ~~software operating environment recited in~~ claim 12~~13~~, wherein the ink analysis tool receives updated document data from the software application after receiving the results from the ink analysis process, and reconciles the results from ~~produced by~~ the ink analysis process with the updated ~~current~~ document data received from the software application~~for the document~~.

15. (Currently Amended) The computer readable media of ~~software operating environment recited in~~ claim ~~1,~~12 having further computer-executable components comprising:

a second analysis process that analyzes electronic ink; and

wherein the ink analysis tool

provides the results from ~~produced by~~ the first analysis process to the second analysis process to analyze,

receives results from the second analysis process, and

returns results from ~~produced by~~ the second analysis process to the software application.

16. (Canceled)

17. (Currently Amended) The computer readable media of ~~software operating environment recited in~~ claim 15~~16~~, wherein the ink analysis tool

receives updated document data from the software application after receiving the results from the second analysis process, and

reconciles the results from ~~produced by~~ the second analysis process with the updated ~~current~~ document data received from the software application. ~~for the document~~

18. (Canceled)

19. (New) The method of claim 1, wherein the reconciling comprises determining based on the first data object and the second data object that the state of the document has changed during the analyzing by the electronic ink analysis process.

20. (New) The method of claim 1, wherein the first processing thread and the second processing thread operate asynchronously such that the software application continues to operate while the electronic ink analysis process is analyzing the document.

21. (New) The method of claim 1, wherein reconciling comprises updating the second data object based on the results of the analysis process, and returning the updated second data object to the software application.

22. (New) The method of claim 1, wherein reconciling comprises updating the second data object to associate an electronic ink annotation with one or more non-ink document elements.